

Claims

1. A telephone, comprising:

a. a real-time input device for entering keyed  
in digits corresponding to local digits of a  
telephone number,

b. an area code selection device for selection  
of programmed digits corresponding to an  
area code of said telephone number,

c. memory storage for said programmed digits,  
and,

d. a processor programmed to retrieve from said  
storage and combine said programmed digits  
with said keyed in digits and transmit a  
signal corresponding to a combined telephone  
number that includes said keyed in digits  
and said programmed digits.

2. The telephone of claim 1, further comprising  
a processor programmed to compare said keyed  
in digits with a set of special number  
sequences and transmit telephone signal  
codes that are based on the result of said  
comparison.

3. The telephone of claim 2, wherein said real-time input device is a keypad.
4. The telephone of claim 2, wherein said real-time input device is a virtual keypad.
- 5 5. The telephone of claim 2, wherein said real-time input device is a voice input device.
6. The telephone of claim 1, further comprising nonvolatile electrical memory for storage of special number sequences.
- 10 7. The telephone of claim 1, further comprising a display.
8. The telephone of claim 7, further comprising electrical circuitry for display of virtual push buttons.
- 15 9. The telephone of claim 8, further comprising electrical circuitry for display of an area code selection menu.
10. The telephone of claim 9, further comprising electrical circuitry for selection of an area code from an area code selection menu.
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11. A telephone, comprising:

a. a real-time input device for entering  
keyed in digits corresponding to local  
digits of a telephone number,

b. storage memory for storing signals  
representing programmed digits,

c. a processor programmed to:

i. retrieve from said storage signals  
representing programmed digits,

ii. combine said keyed in digits with said  
programmed digits,

iii. compare said keyed in digits with a set  
of special number sequences, and

iv. transmit a signal corresponding to a  
telephone number based on results of said  
comparison of said keyed in digits with  
said special number sequences.

12. The telephone of claim 11, further comprising:

a. an area code selection device for selection of  
programmed digits corresponding to an area  
code of said telephone number,

b. memory storage for said programmed digits,  
and,

c. a processor programmed to retrieve from said storage and combine said programmed digits with said keyed in digits and transmit a signal corresponding to a combined telephone number that includes said keyed in digits and said programmed digits.

13. A method for generating telephone signaling codes, comprising the steps of:

a. receiving electrical signals corresponding to digits keyed in by a user

b. comparing in a processor said digits to digits from a list of special number sequences

c. generating signals corresponding to signaling codes, said signals conditionally dependent on said comparison in said processor, and corresponding to sequences of digits conditionally selected from either:

i. said digits keyed in by said user, or

ii. preprogrammed area code digits.

14. The method of claim 13, wherein said keyed in digits are keyed in through a telephone, said telephone comprising:

a. a real time input device for entering keyed in digits corresponding to local digits of a telephone number,

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b. an area code selection pad for selection of programmed digits corresponding to an area code of said telephone number, and,

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c. a processor programmed to combine said programmed digits with said keyed in digits and transmit a signal corresponding to combined telephone number that includes said keyed in digits and said programmed digits.

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The telephone of claim 1, wherein said area code selection device includes at least two push buttons for selection between two sets of programmed digits.

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The telephone of claim 1, wherein said area code selection device includes at least two push buttons for selection between two sets of programmed digits.

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The telephone of claim 1, wherein said area code selection device is a voice input device.

18. The method of claim 13 wherein said electrical signals corresponding to digits are generated by the telephone of claim 1.
19. The telephone of claim 1, wherein said telephone is a wireless telephone.
20. The method of claim 13, further comprising the step of inputting the geographical location of the telephone for selection of said preprogrammed area code digits.

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